APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/683,918	10/10/2003	Darran Potter	50325-0809	2248

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EXAMINER
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ART UNIT	PAPER NUMBER
2141	

MAIL DATE	DELIVERY MODE
01/24/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/683,918	POTTER ET AL.
	Examiner	Art Unit	
	Nicholas R. Taylor	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>24 October 2007</u>.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-36</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-36</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>10 October 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☒ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-36 have been presented for examination and are rejected.

Response to Arguments

2.   Applicant's arguments and amendments with respect to the rejection under 35

U.S.C. § 101 have been considered and are deemed persuasive. Accordingly, the

rejection under 35 U.S.C. § 101 has been withdrawn.

Applicant's remaining arguments with respect to the claims have been

considered but are moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims 1, 2, and 4-36 are rejected under 35 U.S.C. 102(b) as being anticipated

by Barna et al. (U.S. PGPub 2002/0046277).

5.   As per claim 1, Barna teaches a method for improving service accounting in a

network, the method comprising the steps of:

in an authentication, authorization, and accounting server; (Barna, see fig. 1

architecture and paragraph 0007)

authenticating and authorizing a client; (Barna, paragraphs 0022 and 0023; see,

e.g., step 23 authentication and authorization of fig. 1)

in response to authenticating and authoring the client, sending an authorization

accept message that includes an accounting record within the message; and (Barna,

paragraphs 022 and 023; see, e.g., step 27 of fig. 1)

causing the accounting record to be logged (Barna, see, e.g., logging by PDSN,

AAA, and PPS in paragraphs 0027-0030).

6.   As per claim 2, Barna teaches the system further comprising the step of

obtaining the accounting record for the client from an external resource (Barna, see,

e.g., paragraph 0024 and fig. 1 PPS server).

7.   As per claim 4, Barna teaches the system further wherein the client is selected

from the group consisting of a wireless network client, a wired network client, and a dial

up client (Barna, paragraphs 0005-0007 and 0015).

8.   As per claim 5, Barna teaches the system further wherein the step of causing to

be logged comprises causing the accounting record to be logged on a dedicated logging

device (Barna, see, e.g., paragraph 0024 and fig. 1 PPS server).

9.   As per claim 6, Barna teaches the system further wherein the step of causing to

be logged comprises causing the accounting record to be logged on an authentication,

authorization, and accounting server (Barna, paragraphs 0024 and 0027).

10.   As per claim 7, Barna teaches the system further wherein the step of causing to

be logged comprises causing the accounting record to be logged on a network device

(Barna, see, e.g., paragraph 0024 and fig. 1 PPS server).

11.   As per claim 8, Barna teaches the system further wherein the step of causing to

be logged comprises logging the accounting record with a session start log entry

(Barna, see, e.g., session start log entry mechanism of paragraphs 0029 and 0037).

12.   As per claim 9, Barna teaches the system further wherein the step of causing to

be logged comprises logging the accounting record with a session stop log entry

(Barna, see, e.g., session stop log entry mechanism of paragraphs 0029 and 0030).

13.   As per claim 10, Barna teaches the system further wherein the accounting record comprises a handle to a second accounting record (Barna, see, e.g., paragraphs 0027-0029 and interaction of steps 22-32 of fig. 1).

14.   As per claim 11, Barna teaches the system further comprising the steps of:

retrieving the second accounting record using the handle to the second accounting record; and causing the second accounting record to be logged (Barna, see, e.g., paragraphs 0027-0029 and interaction of steps 22-32 of fig. 1).

15.   As per claim 12, Barna teaches the system further wherein the accounting record comprises data in a plurality of attribute-value pairs (Barna, see, e.g., attribute value parings of steps 27 and 28 of fig. 1).

16.   As per claim 13, Barna teaches the system further wherein the step of sending is performed in a protocol selected from the group consisting of Remote Authentication Dial In User Service, Terminal Access Controller Access Control System, Diameter, and Security Assertion Markup Language (Barna, paragraph 0045).

17.   As per claim 14, Barna teaches the system further wherein a particular data set is used in the step of authenticating and authorizing and the accounting record comprises said particular data set (Barna, see paragraphs 0022-0024).

18. As per claim 15, Barna teaches a method for improving service accounting in a network, the method comprising the steps of:

in a client of an authentication, authorization, and account server (Barna, paragraphs 0007, 0022, and 0023; see, e.g., step 23 authentication and authorization of fig. 1)

sending an authorization request; (Barna, paragraphs 0022 and 0023; see, e.g., step 23 authentication and authorization of fig. 1)

receiving an accounting record in an authorization accept message; and (Barna, paragraphs 022 and 023; see, e.g., step 27 of fig. 1)

causing the accounting record to be logged (Barna, see, e.g., logging by PDSN, AAA, and PPS in paragraphs 0027-0030 and fig. 1).

19. As per claim 16, Barna teaches the system further wherein the step of causing to be logged comprises causing the accounting record to be logged on a dedicated logging device (Barna, see, e.g., paragraph 0024 and fig. 1 PPS server).

20. As per claim 17, Barna teaches the system further wherein the step of causing to be logged comprises causing the accounting record to be logged on an authentication, authorization, and accounting server (Barna, paragraphs 0024 and 0027).

21. As per claims 18-34, Barna teaches the system further comprising a computer-readable storage medium storing one or more sequences of instructions which, when

executed by one or more processors, causes the one or more processors to perform the

method recited in the parent claim (Barna, paragraphs 0013-0016).

22.   As per claim 35, Barna teaches the system further comprising:

receiving, subsequent to the sending, a start session message that includes the

accounting record; wherein the causing the accounting record to be logged is performed

in response to the receiving; and (Barna, see, e.g., paragraph 0037 and logging steps of

paragraphs 0027-0030 and fig. 1)

wherein the authorization accept message and the start session message

conform to the Remote Authentication Dial In User Server (RADIUS) protocol (Barna,

paragraph 0045, where the RADIUS protocol is used).

23.   As per claim 36, Barna teaches the system further comprising:

sending, subsequent to sending the authorization request, a start session

message that includes the accounting record; and (Barna, see, e.g., paragraph 0037

and logging steps of paragraphs 0027-0030 and fig. 1)

wherein the authorization accept message and the start session message

conform to the Remote Authentication Dial In User Service (RADIUS) protocol (Barna,

paragraph 0045, where the RADIUS protocol is used).

Claim Rejections - 35 USC § 103

24.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

25.   Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Barna et

al. (U.S. PGPub 2002/0046277) and Wang et al. (U.S. PGPub 2003/0035409).

26.   As per claim 3, Barna teaches the above, yet fails to teach the step of obtaining

the accounting record for the client from a Lightweight Directory Access Protocol

directory.

Wang teaches a wireless service gateway using an AAA server that implements

the lightweight directory access protocol (Wang, paragraphs 0109-0115, 0186-0187,

and fig. 2 structure).

It would have been obvious to one of ordinary skill in the art, at the time the

invention was made, to have combined Barna and Wang to provide the LDAP protocol-

based account records in the system of Barna, because doing so would provide

additional protocol support for passing data between network nodes (Barna, paragraph

0045). Further, the use of the LDAP protocol in Barna would combine several well-

known elements in a manner that one skilled in the art could have combined using

known methods that yield predictable results.

Conclusion

27.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-

3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm,

with alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number

for the organization where this application or proceeding is assigned is (571) 273-8300.
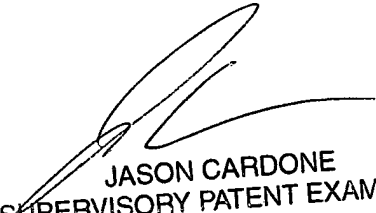
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NT 1-17-08

Nicholas Taylor
Examiner
Art Unit 2141

JASON CARDONE
SUPERVISORY PATENT EXAMINER